

## SEQUENCE LISTING

### SEQ ID NO:1

Human GRP78/BiP amino acid sequence

5

MKLSLVAAMLLLLSAARAEEDKKEDVGTVVGIDLGTTYSCVGVFKNGRVEIIA  
NDQGNRITPSYVAFTPEGERLIGDAAKNQLTSNPENTVFDKRLIGRTWNDPSVQ  
QDIKFLPFKVVEKKTKPYIQVDIGGGQTKTFAPEEISAMVLTKMKETAEEAYLGKK  
VTHAVVTVPAYFNDAQRQATKDAGTIAGLNMRIINEPTAAAIAYGLDKREGEK  
10 NILVFDLGGGTDFVSLLTIDNGVFEVVATNGDTHLGGEDFDQRMMEHFIKLYKK  
KTGKDVRKDNRAVQKLRREVEKAKRALSSQHQARIEIESFYEGEDFSETLTRAKF  
EELNMDLFRSTMKPVQKVLEDSDLKKSIDEIVLVGGSTRIPKIQQLVKEFFNGKE  
PSRGINPDEAVAYGAAVQAGVLSGDQDTGDLVLLDVCPLTLGIETVGGVMTKLI  
PRNTVVPTKKSQIFSTASDNQPTVTIKVYEGERPLTKDNHLLGTFDLTGIPPAPRG  
15 VPQIEVTFEIDVNGILRVTAEDKGTGNKNKITITNDQNRLTPEEIERMVNDAEKFA  
EEDKKLKERIDTRNELESYAYSLKNQIGDKEKLGGKLSSDKETMEKAVEEKIEW  
LESHQDADIEDFKAKKKELE EIVQPIISKLYGSAGPPPTGEEDTAEKDEL

### SEQ ID NO:2

Human GRP78/BiP mRNA sequence

20

1 ACTGGCTGGC AAGATGAAGC TCTCCCTGGT GGCCGCGATG CTGCTGCTGC TCAGCGCGGC  
61 GCGGGCCGAG GAGGAGGACA AGAAGGAGGA CGTGGGCACG GTGGTCGGCA TCGACCTGGG  
25 121 GACCACCTAC TCCTGCGTCG GCGTGTTCAA GAACGGCCGC GTGGAGATCA TCGCCAACGA  
181 TCAGGGCAAC CGCATCACGC CGTCCTATGT CGCCTTCACT CCTGAAGGGG AACGTCTGAT  
241 TGGCGATGCC GCCAAGAACC AGCTCACCTC CAACCCCGAG AACACGGTCT TTGACGCCAA  
301 GCGGCTCATC GGCCGCACGT GGAATGACCC GTCTGTGCAG CAGGACATCA AGTTCTTGCC  
361 GTTCAAGGTG GTTGAAAAGA AAATAAACC ATACATTCAA GTTGATATTG GAGGTGGGCA  
30 421 AACAAAGACA TTTGCTCCTG AAGAAATTTT TGCCATGGTT CTCATAAAA TGAAAGAAAC  
481 CGCTGAGGCT TATTTGGGAA AGAAGGTTAC CCATGCAGTT GTTACTGTAC CAGCCTATTT  
541 TAATGATGCC CAACGCCAAG CAACCAAAGA CGCTGGAAC ATTGCTGGCC TAAATGTTAT  
601 GAGGATCATC AACGAGCCTA CGGCAGCTGC TATTGCTTAT GGCCTGGATA AGAGGGAGGG  
661 GGAGAAGAAC ATCCTGGTGT TTGACCTGGG TGGCGGAACC TTCGATGTGT CTCTTCTCAC  
35 721 CATTGACAAT GGTGTCTTCG AAGTTGTGGC CACTAATGGA GATACTCATC TGGGTGGAGA  
781 AGACTTTGAC CAGCGTGTCA TGAACACTT CATCAAAC TGACAAAAGA AGACGGGCAA

841 AGATGTCAGG AAAGACAATA GAGCTGTGCA GAAACTCCGG CGCGAGGTAG AAAAGGCCAA  
901 ACGGGCCCTG TCTTCTCAGC ATCAAGCAAG AATTGAAATT GAGTCCTTCT ATGAAGGAGA  
961 AGACTTTTCT GAGACCCTGA CTCGGGCCAA ATTTGAAGAG CTCAACATGG ATCTGTTCCG  
1021 GTCTACTATG AAGCCCGTCC AGAAAGTGTT GGAAGATTCT GATTGAAGA AGTCTGATAT  
5 1081 TGATGAAATT GTTCTTGTTG GTGGCTCGAC TCGAATTCCA AAGATTCAGC AACTGGTTAA  
1141 AGAGTTCTTC AATGGCAAGG AACCATCCCG TGGCATAAAC CCAGATGAAG CTGTAGCGTA  
1201 TGGTGCTGCT GTCCAGGCTG GTGTGCTCTC TGGTGATCAA GATACAGGTG ACCTGGTACT  
1261 GCTTGATGTA TGTCCTTCA CACTTGGTAT TGAAACTGTG GGAGGTGTCA TGACCAAACCT  
1321 GATTCCAAGG AACACAGTGG TGCCTACCAA GAAGTCTCAG ATCTTTTCTA CAGCTTCTGA  
10 1381 TAATCAACCA ACTGTTACAA TCAAGGTCTA TGAAGGTGAA AGACCCCTGA CAAAAGACAA  
1441 TCATCTTCTG GGTACATTTG ATCTGACTGG AATTCCTCCT GCTCCTCGTG GGGTCCCACA  
1501 GATTGAAGTC ACCTTTGAGA TAGATGTGAA TGGTATTCTT CGAGTGACAG CTGAAGACAA  
1561 GGGTACAGGG AACAAAAATA AGATCACAAT CACCAATGAC CAGAATCGCC TGACACCTGA  
1621 AGAAATCGAA AGGATGGTTA ATGATGCTGA GAAGTTTGCT GAGGAAGACA AAAAGCTCAA  
15 1681 GGAGCGCATT GATACTAGAA ATGAGTTGGA AAGCTATGCC TATTCTCTAA AGAATCAGAT  
1741 TGGAGATAAA GAAAAGCTGG GAGGTAAACT TTCTCTGAA GATAAGGAGA CCATGGAAAA  
1801 AGCTGTAGAA GAAAAGATTG AATGGCTGGA AAGCCACCAA GATGCTGACA TTGAAGACTT  
1861 CAAAGCTAAG AAGAAGGAAC TGGAAGAAAT TGTTCACCA ATTATCAGCA AACTCTATGG  
1921 AAGTGCAGGC CCTCCCCCAA CTGGTGAAGA GGATACAGCA GAAAAAGATG AGTTGTAGAC  
20 1981 ACTGATCTGC TAGTGCTGTA ATATTGT